


CMC STEEL ALABAMA  
101 S 50TH STREET  
BIRMINGHAM AL 35212-3525

**CERTIFIED MILL TEST REPORT**  
For additional copies call  
800-637-3227

We hereby certify that the test results presented here  
are accurate and conform to the reported grade specification

  
Marcus W. McCluney - CMC Steel AL  
Quality Assurance Manager

**1SERIES-BPS®**

HEAT NO.: 1088398 SECTION: ANG 5 X 3 1/2x5/16 40"0" A36/52950 GRADE: ASTM A36-19/A529-19 Gr 50 ROLL DATE: 09/08/2023 MELT DATE: 08/29/2023 Cert. No.: 85637133 / 088398B473	S O L D T O	Steel & Pipe Supply Co Inc 555 POYNTZ AVE MANHATTAN KS US 66502-6085 7855875182 7855872282	S H I P T O	Steel & Pipe Supply 4750 W Marshall Ave Longview TX US 75604-4817 9037591859	Delivery#: 85637133 BOL#: 75708334 CUST PO#: 4500564291 CUST P/N: 505003161040 DLVRY LBS / HEAT: 20880.000 LB DLVRY PCS / HEAT: 60 EA
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Characteristic	Value	Characteristic	Value	Characteristic	Value
C	0.15%	Elongation test 1	25%		
Mn	0.63%	Elongation Gage Lgth test 1	8IN		
P	0.009%	Yield to tensile ratio test1	0.73		
S	0.019%	Yield Strength test 2	52.7ksi		
Si	0.16%	Tensile Strength test 2	73.0ksi		
Cu	0.23%	Elongation test 2	25%		
Cr	0.09%	Elongation Gage Lgth test 2	8IN		
Ni	0.11%	Yield to tensile ratio test2	0.72		
Mo	0.034%				
V	0.004%				
Cb	0.008%				
Sn	0.018%				
B	0.0002%				
Ti	0.001%				
N	0.0094%				
Carbon Eq A6	0.30%				
Carbon Eq A529	0.33%				
Yield Strength test 1	52.5ksi				
Tensile Strength test 1	72.2ksi				

The Following is true of the material represented by this MTR:  
 \*Material is fully killed and is Hot Rolled Steel  
 \*100% melted, rolled, and manufactured in the USA  
 \*EN10204:2004 3.1 compliant  
 \*Contains no weld repair  
 \*Contains no Mercury contamination  
 \*Manufactured in accordance with the latest version of the plant quality manual  
 \*Meets the "Buy America" requirements of 23 CFR635.410, 49 CFR 661  
 \*Warning: This product can expose you to chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

RE MARKS : ALSO MEETS ASTM GRADE A36 REV 08, A572-21 GR 50, A709-36, A709-50, A992, AASHTO GRADE M270-36, M270-50, CSA G40.21-04 GRADE 44W, 50W, ASME SA-36 2008A ADDEND A.